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(71) 出願人 (米国を除くすべての指定国について)  
ソニー株式会社(SONY CORPORATION)[JP/JP]  
〒141-0001 東京都品川区北品川6丁目7番35号 Tokyo, (JP)

(72) 発明者 ; および

(75) 発明者 / 出願人 (米国についてのみ)

高橋 靖(TAKAHASHI, Yasushi)[JP/JP]

〒141-0001 東京都品川区北品川6丁目7番35号

ソニー株式会社内 Tokyo, (JP)

杉山和雄(SUGIYAMA, Kazuo)[JP/JP]

〒112-0006 東京都文京区小日向1丁目6番1号 Tokyo, (JP)

渡辺 誠(WATANABE, Makoto)[JP/JP]

〒133-0052 東京都江戸川区東小岩2丁目4番14号 Tokyo, (JP)

(74) 代理人

小池 晃, 外(KOIKE, Akira et al.)

〒105-0001 東京都港区虎ノ門二丁目6番4号 第11森ビル  
Tokyo, (JP)

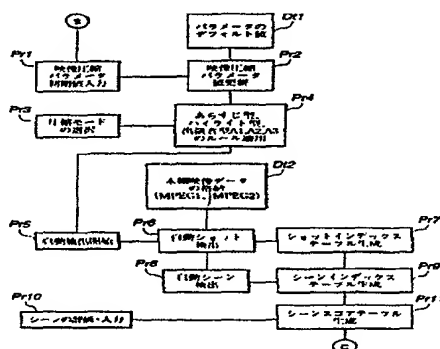
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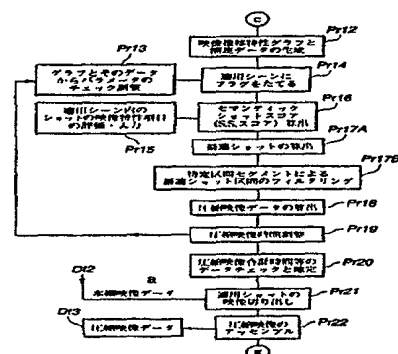
国際調査報告書

(54) Title: METHOD FOR EDITING VIDEO INFORMATION AND EDITING DEVICE

(54) 発明の名称 映像情報の編集方法及び編集装置



Pr1...INPUT VIDEO COMPRESSION PARAMETER INITIAL VALUE  
Pr3...SELECT COMPRESSION MODE  
Dt1...DEFAULT VALUE OF PARAMETER  
Pr2...UPDATE VIDEO COMPRESSION PARAMETER  
Pr4...APPLY RULES TO STORY LINE TYPE A1, HIGHLIGHT TYPE A2, AND PERFORMER TYPE A3  
Dt2...STORE ORIGINAL VIDEO DATA (MPEG1, MPEG2)  
Pr5...START AUTOMATIC DETECTION  
Pr6...DETECT SHOT AUTOMATICALLY  
Pr7...DETECT SCENE AUTOMATICALLY  
Pr8...CREATE SHOT INDEX TABLE  
Pr9...CREATE SCENE INDEX TABLE  
Pr10...EVALUATE AND INPUT SCENE  
Pr11...CREATE SCENE SCORE TABLE  
Pr13...CHECK AND ADJUST PARAMETER ACCORDING TO GRAPH AND ITS DATA



Pr15...EVALUATE AND INPUT ITEMS OF VIDEO CHARACTERISTICS OF SHOT IN SCENE APPLIED  
Pr12...CREATE VIDEO PROGRESSION CHARACTERISTIC GRAPH AND ASSOCIATED DATA  
Pr14...PUT UP FLAG IN SCENE APPLIED  
Pr16...CALCULATE SEMANTIC SHOT SCORE (S.S.SCORE)  
Pr17...CALCULATE OPTIMUM SHOT  
Pr18...FILTER OPTIMUM SHOT SECTION BY SPECIFIC SECTION SEGMENT  
Pr19...CALCULATE COMPRESSED VIDEO DATA  
Pr20...ADJUST COMPRESSED VIDEO TIME  
Pr21...CHECK AND DEFINE DATA ON COMPRESSED VIDEO TOTAL TIME AND SO FORTH  
Pr22...EXTRACT VIDEO OF SHOT APPLIED BY SEGMENTATION  
Dt2...ASSEMBLE COMPRESSED VIDEO  
A...FULL VIDEO DATA  
Dt3...COMPRESSED VIDEO DATA

# (57) Abstract

The full video of a video title is divided into shot or scene units with time codes. Given condition information, which is semantic evaluation of a story, is added to each scene unit to produce a scene score, scenes necessary for each use and object are extracted according to the scene score and a threshold (process Pr14), evaluation information on video characteristic is added to each shot constituting each extracted scene to produce a shot score (process Pr16), optimum shots for each extracted scene are selected according to predetermined rules adapted to the use and object (process Pr16), the optimum shots are extracted from the full video (process Pr21), and preview video adapted to the use and object is automatically produced (process Pr22).